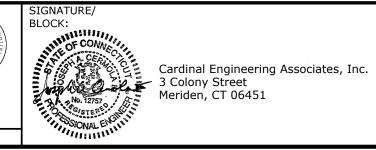
03 - HIGHWAY INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
HWY-01	INDEX OF DRAWINGS		
HWY-02	HIGHWAY PLAN		
HWY-03	HIGHWAY PLAN		
HWY-04	HIGHWAY PLAN		
HWY-05	TYPICAL APPROACH SECTIONS		
HWY-06	DRAINAGE MAINTENANCE PLAN		
HWY-07	MISC. DRAINAGE DETAILS		
HWY-08	PAVING OPERATIONS DETAILS		
HWY-09	PAVING OPERATIONS STAGING		
HWY-10	CONSTRUCTION SEQUENCE PLAN		

CARDINAL Three Colony Street | Meriden | CT | 06451 Tel: 203.238.1969 | Fax: 203.630.2056 cardinalengineering.com

					THE INFORMATION, INCLUDING ESTIMATED
					QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED
					INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE
					THE CONDITIONS OF ACTUAL QUANTITIES
					OF WORK WHICH WILL BE REQUIRED.
REV.	DATE	REVISION DESCRIPTION	SHEET	NO.	Plotted Date: 7/12/2016



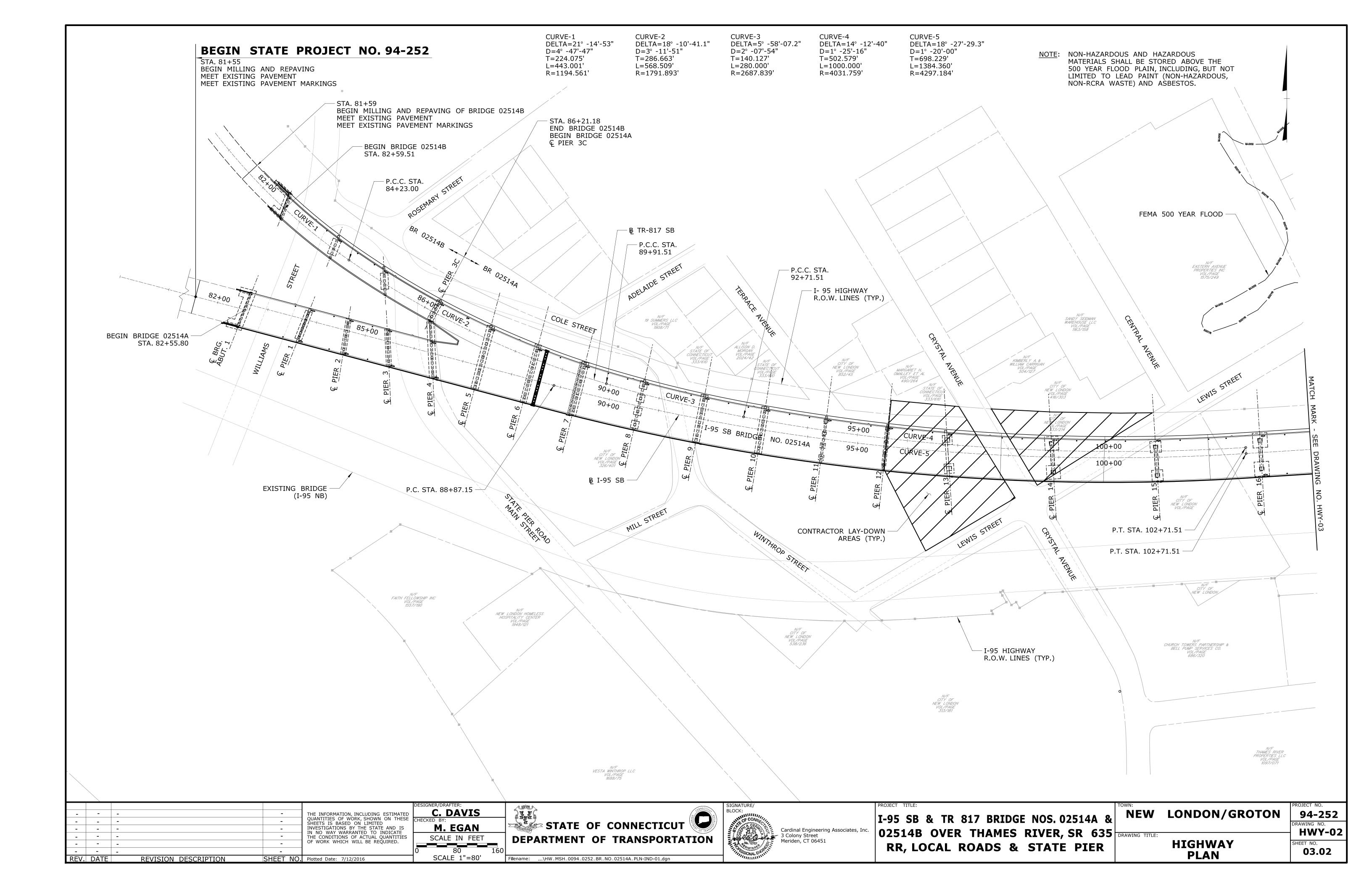


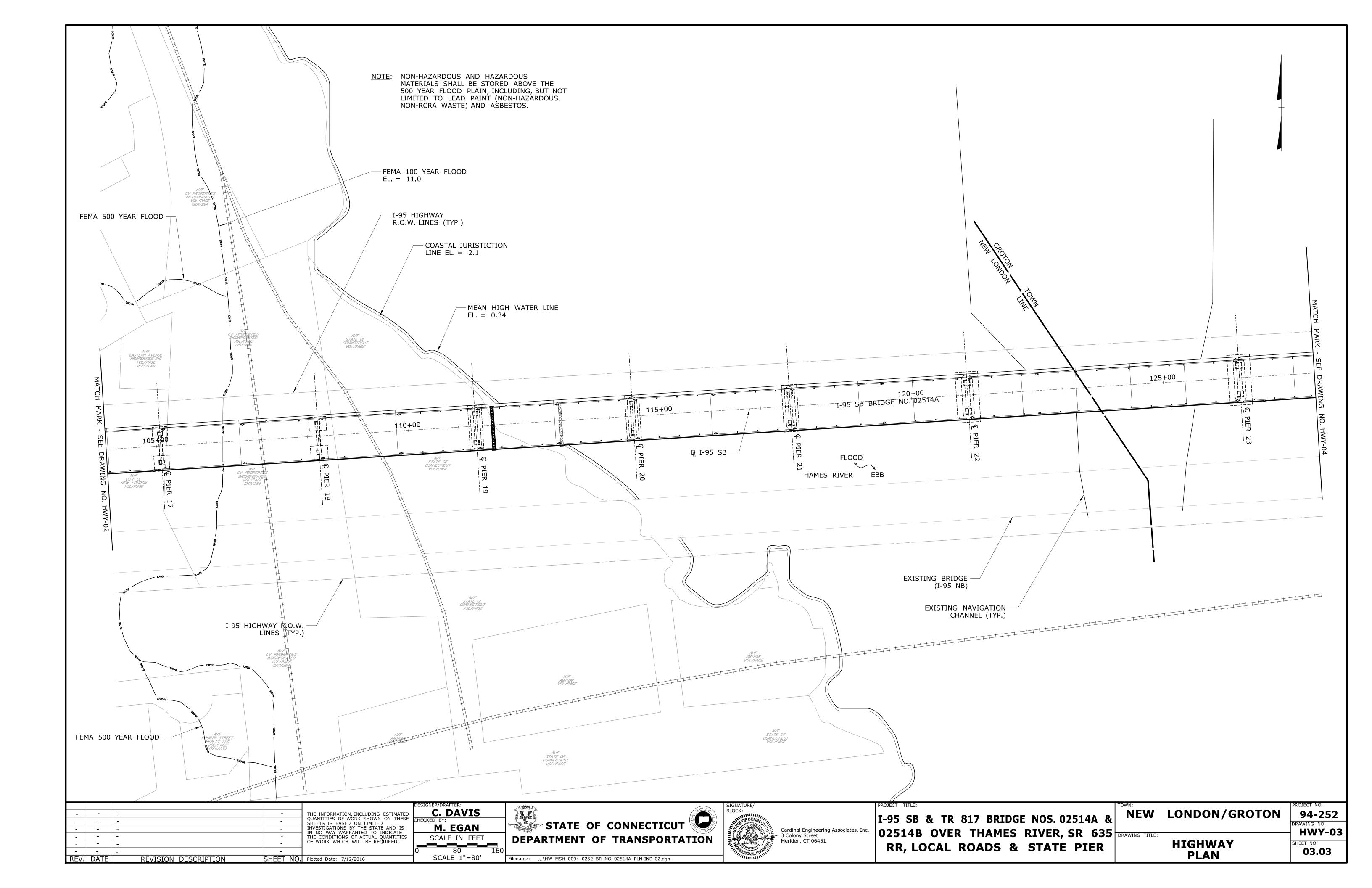
I-95 SB & TR 817 BRIDGE NOS. 02514A 8 02514B OVER THAMES RIVER, SR 635 DRAWING TITLE: RR, LOCAL ROADS & STATE PIER

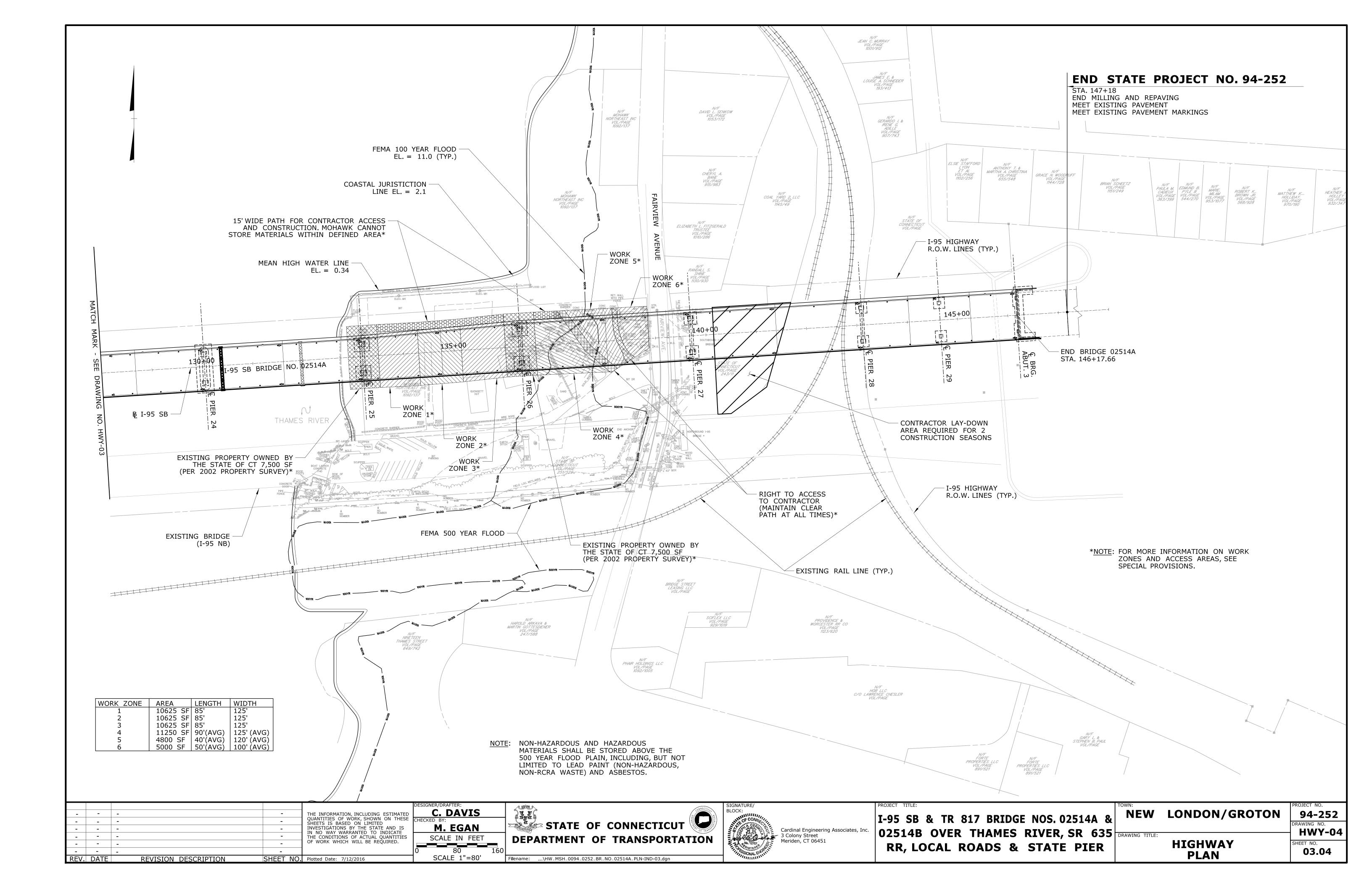
&	TOWN: NEW	LONDON/GROTON	PF
_			DF

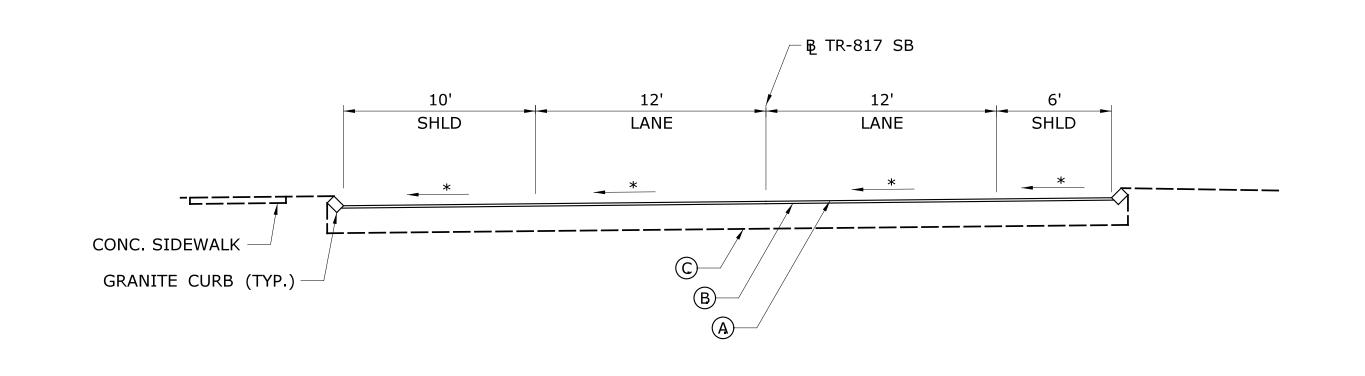
INDEX OF DRAWINGS

94-252
DRAWING NO.
HWY-01 SHEET NO. **03.01**







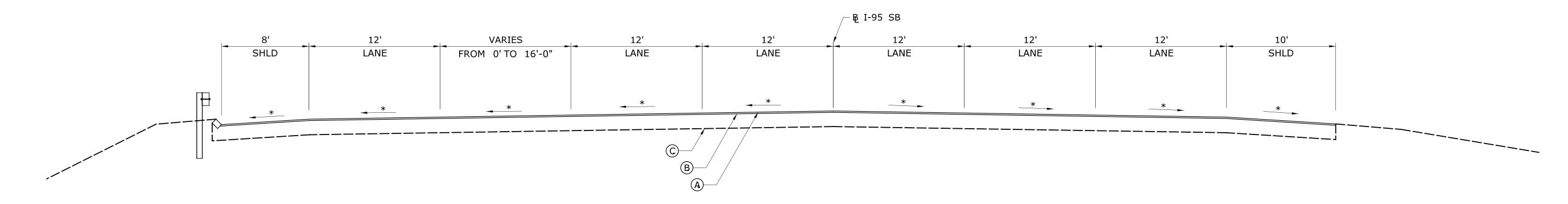


TR 817 SB (CT ROUTE 32 CONNECTOR) WEST APPROACH

MILL AND OVERLAY STA. 81+59 TO STA. 82+59.51 SCALE 1" = 5'

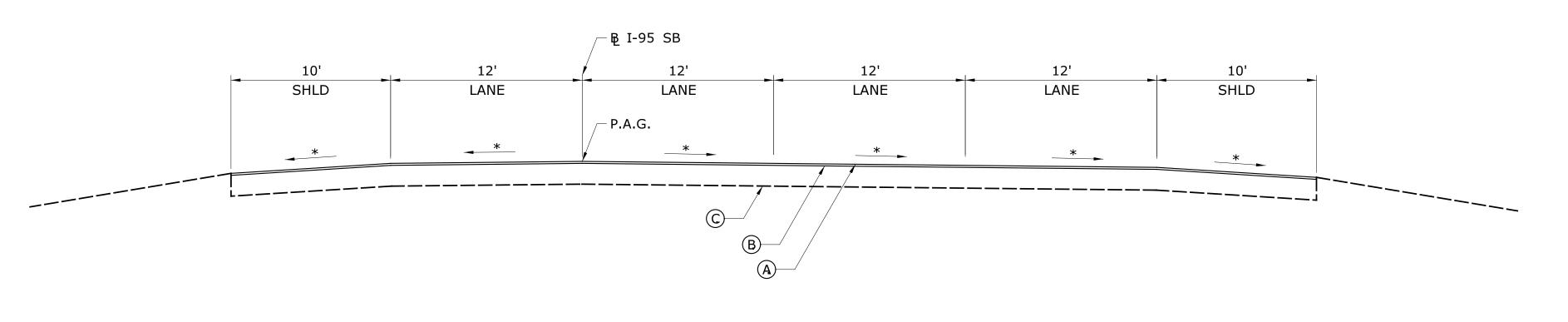
LEGEND

- * = MAINTAIN EXISTING CROSS SLOPE
- (A) MILL EXISTING PAVEMENT $2\frac{1}{2}$ " AND REPAVE WITH $2\frac{1}{2}$ " PMA S0.5 (1 LIFT)
- (B) MATERIAL FOR TACK COAT
- © BOTTOM OF EXISTING PAVEMENT



I-95 SB EAST APPROACH

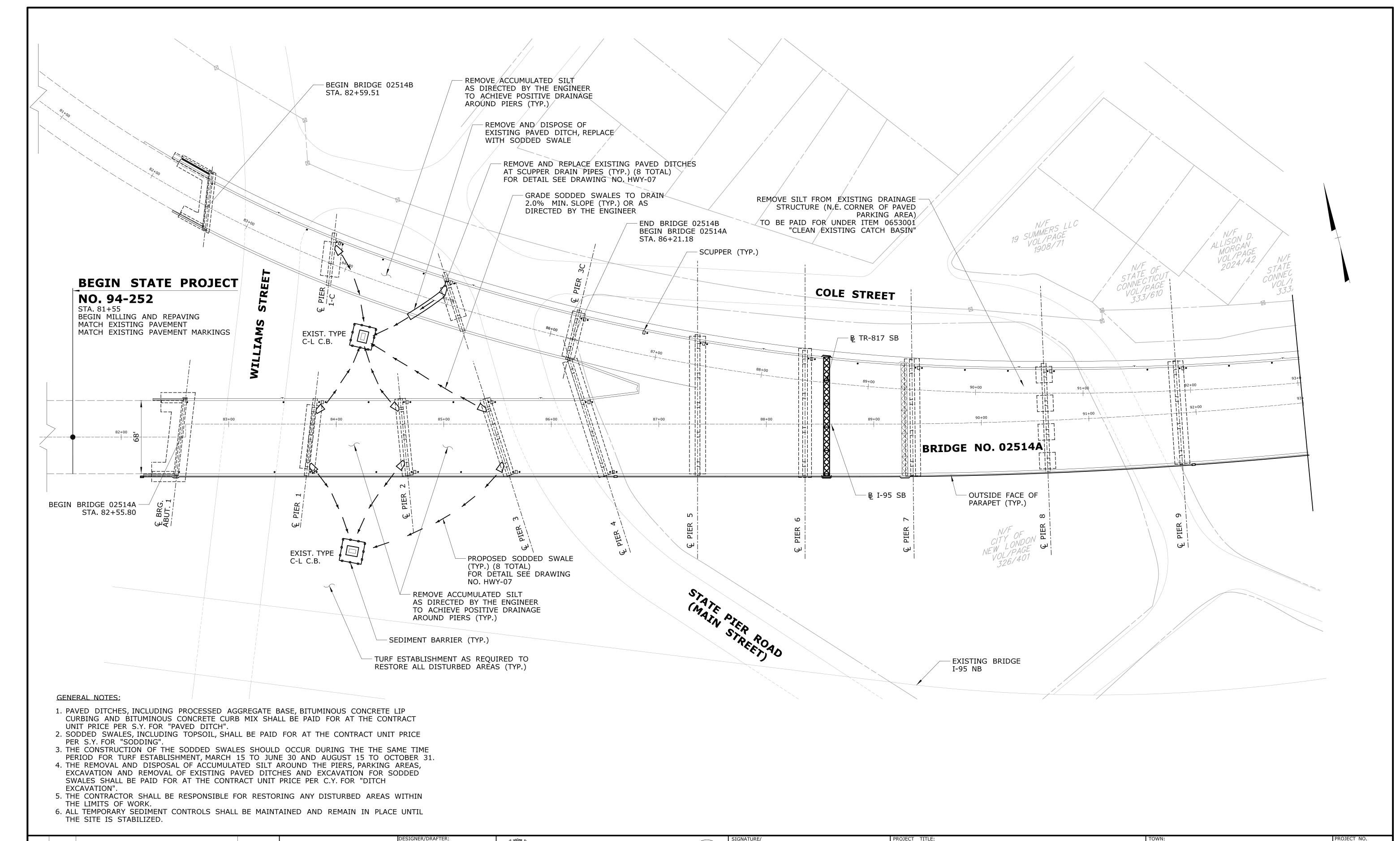
MILL AND OVERLAY STA. 146+17.66 TO STA. 147+18 SCALE 1" = 5'



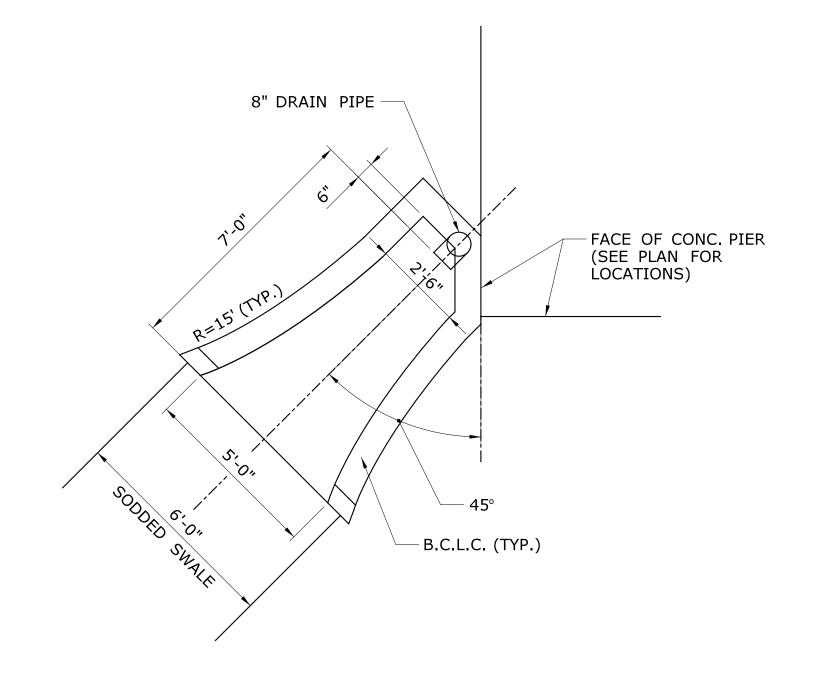
I-95 SB WEST APPROACH

MILL AND OVERLAY STA. 81+55 TO STA. 82+55.80 SCALE 1" = 5'

STATE OF CONNECTICUT C. DAVIS NEW LONDON/GROTON THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. 94-252 I-95 SB & TR 817 BRIDGE NOS. 02514A & Cardinal Engineering 3 Colony Street Meriden, CT 06451 M. EGAN **HWY-05** Cardinal Engineering Associates, Inc. 02514B OVER THAMES RIVER, SR 635 DRAWING TITLE: DEPARTMENT OF TRANSPORTATION TYPICAL APPROACH Meriden, CT 06451 RR, LOCAL ROADS & STATE PIER SCALE AS NOTED 03.05 **SECTIONS** REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/12/2016 Filename: ...\SB_MSH_0094_0252_BR_NO_02514A_TYP-06.dgn



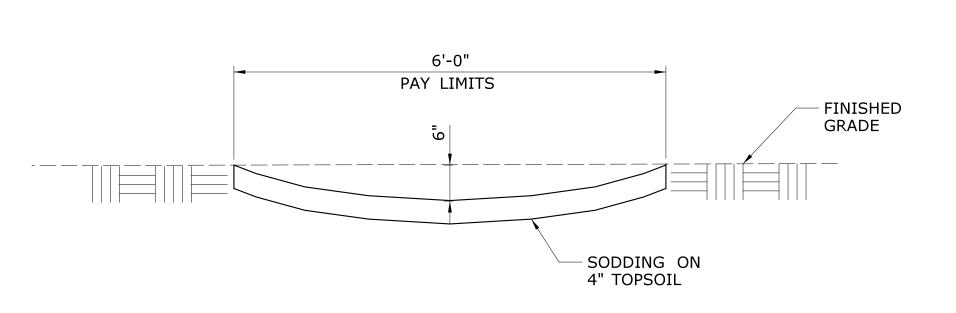
STATE OF CONNECTICUT C. DAVIS BLOCK: **NEW LONDON/GROTON** 94-252 THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED Cardinal Engineering 3 Colony Street Meriden, CT 06 I-95 SB & TR 817 BRIDGE NOS. 02514A & M. EGAN INVESTIGATIONS BY THE STATE AND IS
IN NO WAY WARRANTED TO INDICATE - | - | -Cardinal Engineering Associates, Inc. 02514B OVER THAMES RIVER, SR 635 DRAWING TITLE: **HWY-06** _ | _ _ _ THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. **DEPARTMENT OF TRANSPORTATION** SCALE IN FEET DRAINAGE MAINTAINENCE SHEET NO. - - -RR, LOCAL ROADS & STATE PIER 03.06 **PLAN** SCALE 1"=40' REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/12/2016 Filename: ...\HW_MSH_0094_0252_BR_NO_02514A_DRN-01.dgn



PLAN

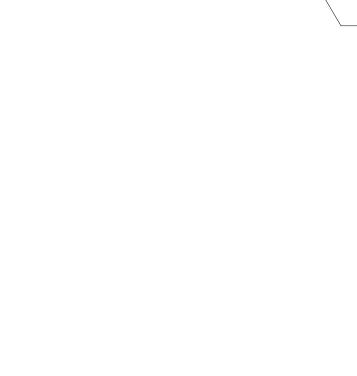
PAVED APRON

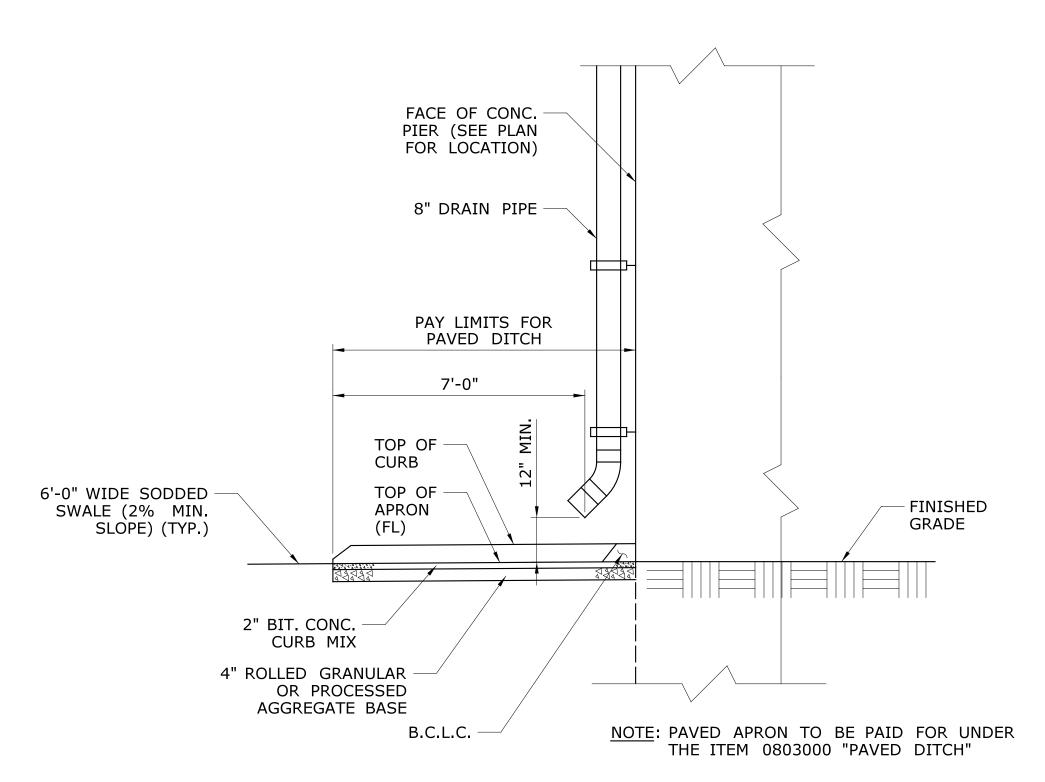
SCALE: $\frac{3}{8}$ " = 1'-0"



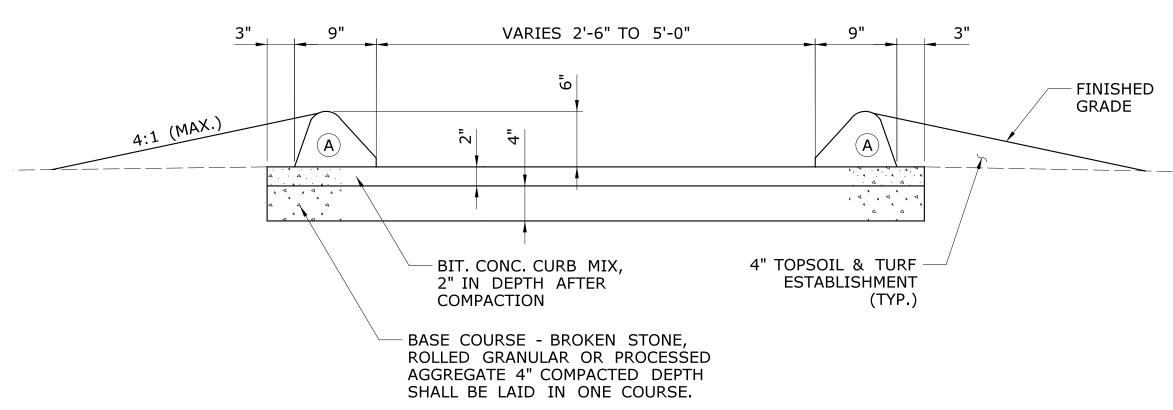
TYPICAL SECTION SODDED SWALE N.T.S.

GENERAL NOTE:
1. FOR LOCATIONS OF PROPOSED PAVED DITCHES AND SODDED SWALES,
SEE DRAWING NO. HWY-6





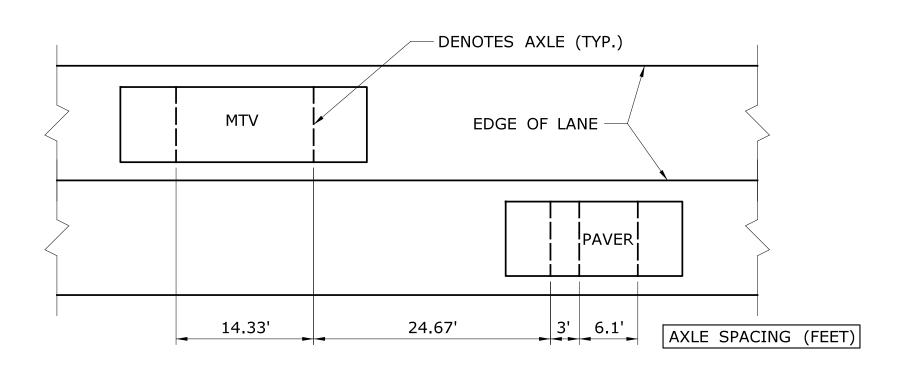
ELEVATION PAVED APRON SCALE: $\frac{3}{8}$ " = 1'-0"



(A) BITUMINOUS CONCRETE LIP CURBING

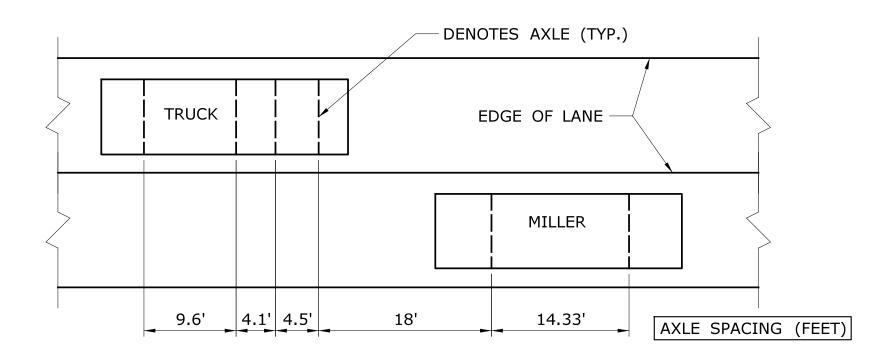
SECTION PAVED DITCH N.T.S.

	DESIGNER/DRAFTER:	2.400	SIGNATURE/	PROJECT TITLE:	I TOWN:	PROJECT NO
THE INFORMATION, INCLUDING ESTIMATED	C. DAVIS	CONVECTOR	BLOCK:	T OF CD O TD O47 DDTDCF NOC O25444 O	NEW LONDON/GROTON	94-252
QUANTITIES OF WORK, SHOWN ON THESE SHE IS BASED ON LIMITED THE STRUCK TO BE SHOWN OF THE SHOWN OF THE STRUCK TO BE SHOWN O	CHECKED BY: M. EGAN	STATE OF CONNECTICUT	OF CONNECTION OF	I-95 SB & TR 817 BRIDGE NOS. 02514A 8		DRAWING NO.
IN O WAY WARRANTED IS IN 10 WAY WARRANTED AT THE CONDITIONS OF ACTUAL QUANTITIES	M. EGAN	OF TRANS	Cardinal Engineering Associates, Inc. 3 Colony Street	02514B OVER THAMES RIVER, SR 635	DRAWING TITLE:	HWY-07
OF WORK WHICH WILL BE REQUIRED.		DEPARTMENT OF TRANSPORTATION	No. 12757 Meriden, CT 06451	RR, LOCAL ROADS & STATE PIER	MISC. DRAINAGE	SHEET NO.
DEVISION DESCRIPTION SHEET NO Plotted Date: 7/12/2016	SCALE AS NOTED	Filename: \HW MSH 0094 0252 BP NO 025144 DET 01 dan	SONAL ENGLIS	KK, LOCAL KOADS & STATE TIEK	DETAILS	03.07



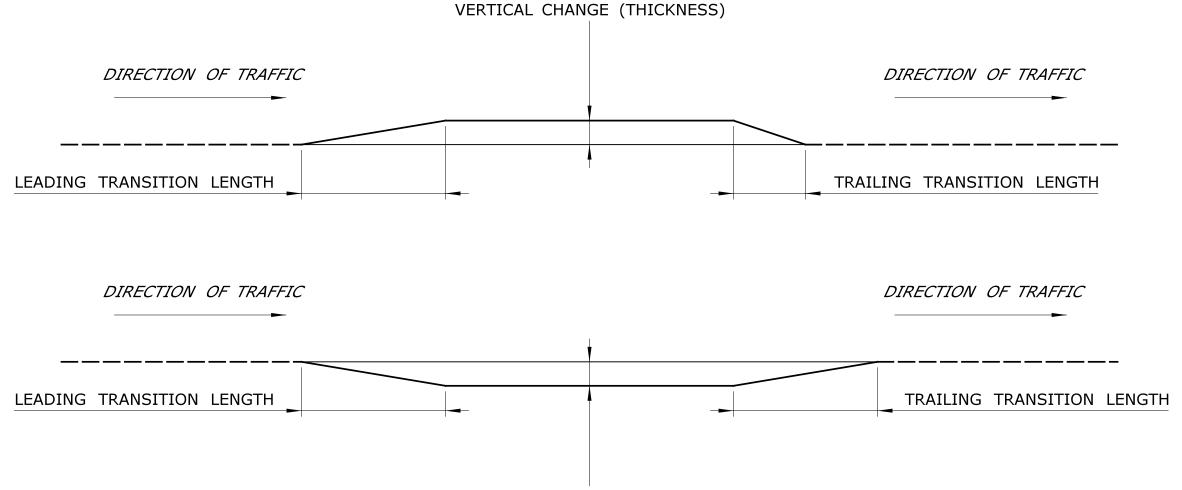
(SCHEMATIC) PLAN VIEW OF PAVING TRAIN

NOT TO SCALE



(SCHEMATIC) PLAN VIEW OF MILLING TRAIN

NOT TO SCALE

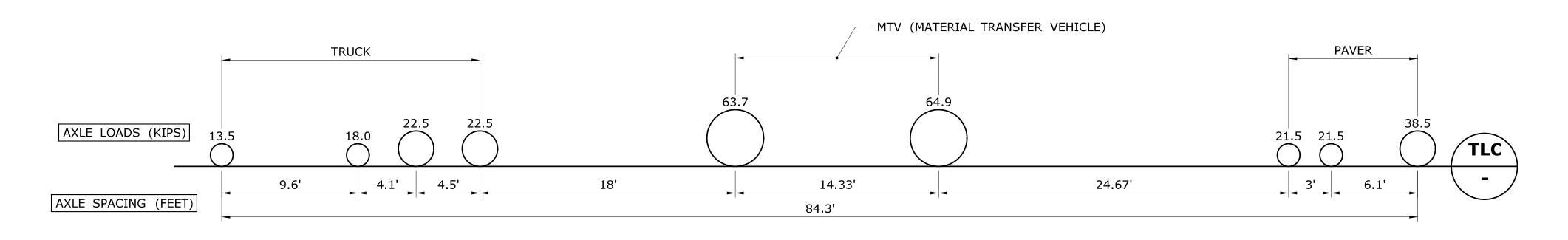


VERTICAL CHANGE (THICKNESS)

VERTICAL CHANGE (THICKNESS)	LEADING TRANSITION LENGTH	TRAILING TRANSITION LENGTH	
1.0"	15'	6'	
1.5"	22.5'	9'	
2.0"	30'	12'	
2.5"	37.5'	15'	
3.0"	45'	18'	

TEMPORARY PAVEMENT TRANSITION

NOT TO SCALE



CT-TLC LIVE LOAD (TRI-LOAD COMBINATION OF VEHICLES IN PAVING TRAIN)

SCALE: 1"=5'

BRIDGE (WEIGHT) RESTRICTIONS

BRIDGES 02514A & 02514B CAN CARRY THE INDICATED CT-TLC PERMIT LIVE LOAD WITHOUT RESTRICTIONS.

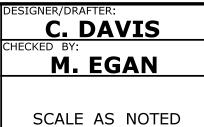
THE AXLE WEIGHTS INDICATED SHALL NOT BE EXCEEDED WITHOUT PRIOR APPROVAL OF THE ENGINEER. IN ADDITION, DECREASING THE INDICATED AXLE SPACINGS SHALL ALSO NOT BE ALLOWED UNLESS THERE IS PRIOR APPROVAL FROM THE ENGINEER.

ANY OTHER CONSTRUCTION VEHICLE OR MACHINE WHOSE COMBINED AXLE WEIGHTS EXCEED 128.6 KIPS (THE TOTAL WEIGHT OF THE MATERIAL TRANSFER VEHICLE) WILL NOT BE ALLOWED ON EITHER BRIDGE WITHOUT PRIOR APPROVAL OF THE ENGINEER.

THE CONTRACTOR SHALL PLAN HIS OPERATIONS TO CONFORM TO THE ABOVE REQUIREMENTS.

NOTE THAT INSTALLATION OF TEMPORARY PAVEMENT TRANSITIONS SHALL BE PAID FOR UNDER THE ITEM "TEMPORARY PAVEMENT". PAVEMENT TRANSITIONS WILL BE REQUIRED AT NEW PAVEMENT SECTIONS AND AT MODULAR JOINTS WHEN OVERLAY HAS BEEN REMOVED TO TRANSITION TO THE EXISTING CONCRETE JOINT HEADERS. AS DIRECTED BY THE ENGINEER.

					DES:
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				INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE	
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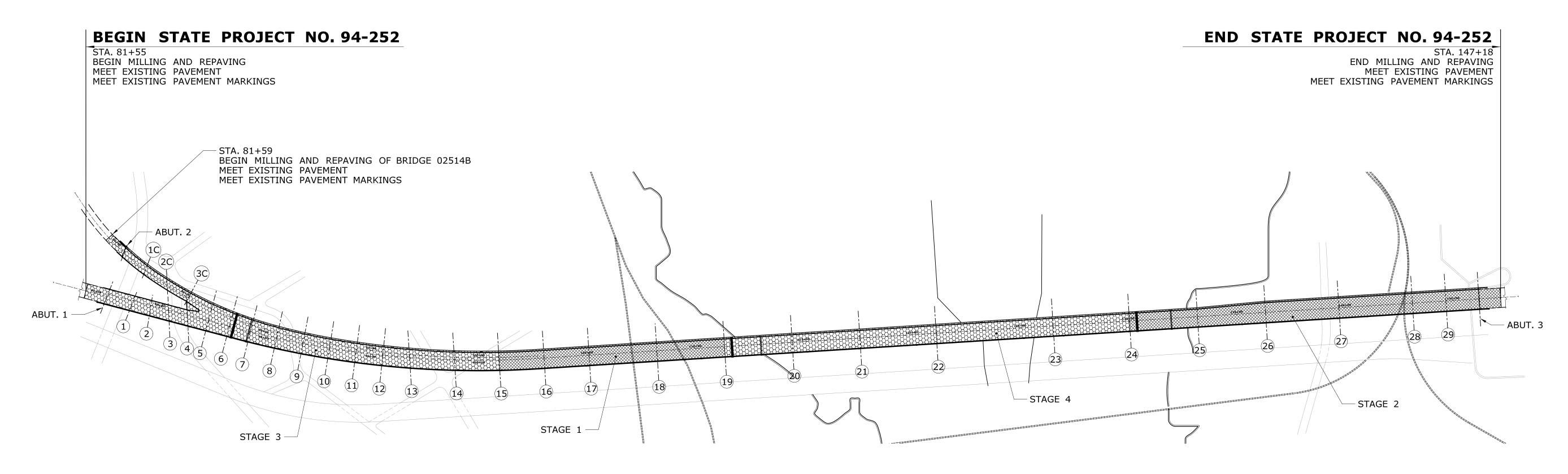
I-95 SB & TR 817 BRIDGE NOS. 02514A & 02514B OVER THAMES RIVER, SR 635 DRAWING TITLE: RR, LOCAL ROADS & STATE PIER

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L	IN E VV	LONDON/GROTON

PAVING OPERATION DETAILS

HWY-08 03.08

94-252

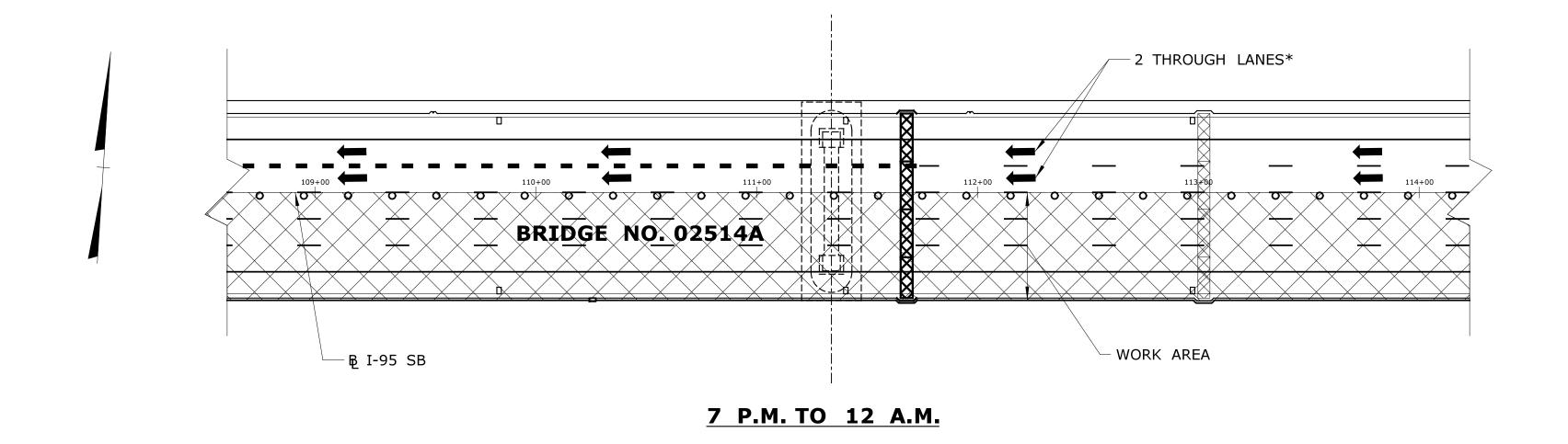


PAVING STAGING PLAN SCALE: 1" = 250"

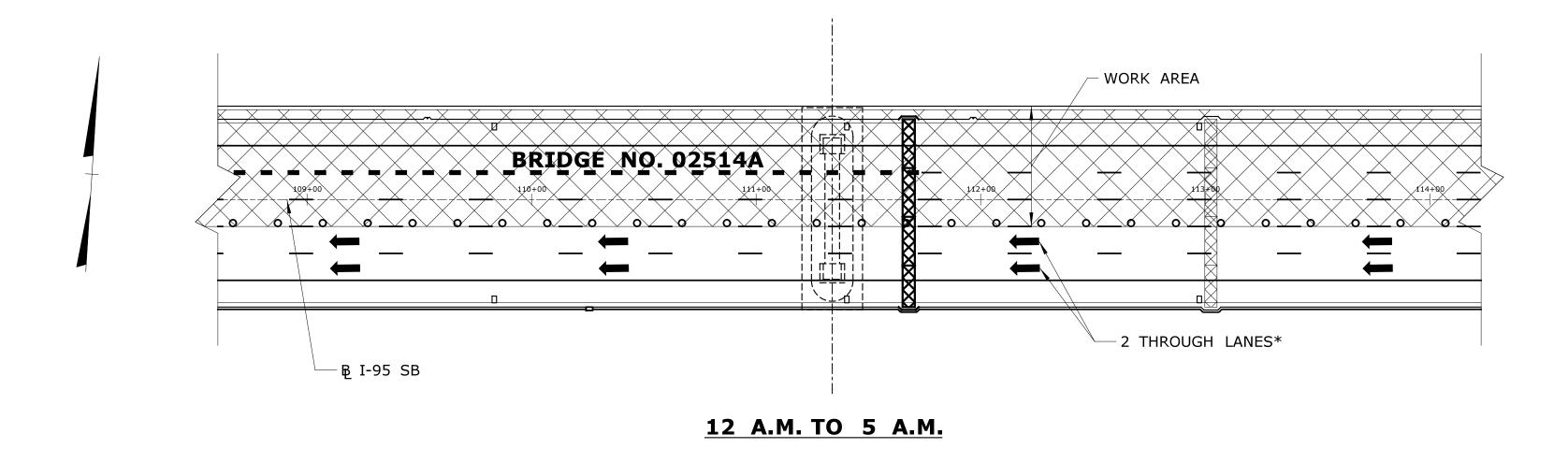
NOTES

- 1. THE SUGGESTED SEQUENCE OF CONSTRUCTION REFERS TO WORK ASSOCIATED WITH THE REMOVAL OF EXISTING OVERLAY, DECK PATCHING, MEMBRANE WATERPROOFING, PAVING AND JOINT INSTALLATION.
- 2. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE MAINTENANCE & PROTECTION OF TRAFFIC AND THE PROSECUTION AND PROGRESS SPECIFICATIONS FOR HIS SEQUENCE OF CONSTRUCTION WHICH SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS	DESIGNER/DRAFTER: C. DAVIS CHECKED BY: M. EGAN	STATE OF CONNECTICUT		I-95 SB & TR 817 BRIDGE NOS. 02514A &	NEW LONDON/GROTON	DRAWING NO.
IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/12/2016	SCALE AS NOTED	OF TRANS	Cardinal Engineering Associates, Inc. 3 Colony Street Meriden, CT 06451	02514B OVER THAMES RIVER, SR 63! RR, LOCAL ROADS & STATE PIER	DANIELO ODEDATION	HWY-09 SHEET NO. 03.09



* 2 THROUGH LANES SUGGESTED BUT THROUGH LANES CAN BE REDUCED TO MINIMUM OF 1 LANE AS PER THE LIMITS OF OPERATIONS



RECOMMENDED CONSTRUCTION SEQUENCE FOR FULL WIDTH CONSTRUCTION AS PER LIMITS OF OPERATIONS

NOTE: THE DETAILS ABOVE SHOW A SUGGESTED SEQUENCE FOR REPAIRS ON THE DECK OF THE BRIDGE THAT ADHEARS TO THE LIMITS OF OPERATIONS AS INDICATED IN THE PROSECUTION AND PROGRESS SPECIFICATIONS, WHILE MEETING THE REQUIREMENTS FOR FULL WIDTH CONSTRUCTION AS PER THE MAINTENANCE AND PROTECTION OF TRAFFIC SPECIFICATIONS. CONTRACTOR SHALL ADJUST HIS CONSTRUCTION SEQUENCE FOR DECK WORK AS CONDITIONS REQUIRE AND AS DIRECTED BY THE ENGINEER, WHILE ADHERING TO THE PROSECUTION AND PROGRESS AND MAINTENANCE AND PROTECTION OF TRAFFIC SPECIFICATIONS.

		DESIGNER/DRAFTER:	A SPORT	SIGNATURE/	PROJECT TITLE:	TOWN:	PROJECT NO.
	- THE INFORMATION, INCLUDING ESTIMATED	C. DAVIS		BLOCK:	T OF CD 0 TD 017 DDIDGE NOC 005144 0	NEW LONDON/GROTON	94-252
	QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED	CHECKED BY:	STATE OF CONNECTICUT	NITE OF CONN.	I-95 SB & TR 817 BRIDGE NOS. 02514A &		DRAWING NO.
- - -	- INVESTIGATIONS BY THE STATE AND IS IN NO. WAY WARRANTED TO INDICATE	M. EGAN	STATE OF CONNECTICUT	Cardinal Engineering Associates, Inc.	02514B OVER THAMES RIVER, SR 635		│ HWY-10 │
	- THE CONDITIONS OF ACTUAL QUANTITIES	SCALE IN FEET	DEPARTMENT OF TRANSPORTATION	3 Colony Street	DESTAD CALK HIMMES KIACK SK 022		1100 1 10
	OF WORK WHICH WILL BE REQUIRED.		DEPARTMENT OF TRANSPORTATION	No. 12757 Meriden, CT 06451	RR, LOCAL ROADS & STATE PIER	CONSTRUCTION	SHEET NO.
	-	0 40 8	30	SOMAL ENGINEER	RR, LUCAL RUADS & STATE PIER		03.10
REV. DATE REVI	ISION DESCRIPTION SHEET NO. Plotted Date: 7/12/2016	SCALE 1"=40'	Filename:\SB_MSH_0094_0252_BR_NO_02514A_PAV_03.dgn	William.		SEQUENCE PLAN	